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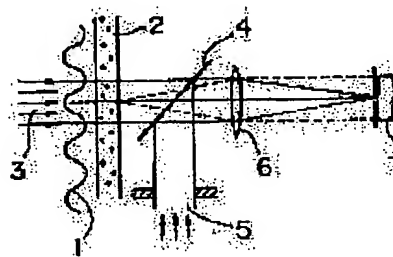
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(54) DEVICE FOR MEASURING INTERNAL TEMPERATURE DISTRIBUTION WITH MICROWAVE

(57)Abstract:

PURPOSE: To obtain a device which measures an internal temperature distribution in an organism by selectively removing a microwave, that is picking out only a component travelling straight without diffraction in the organism and the like from a transmission microwave.

CONSTITUTION: A composition means 4 sums a measurement microwave 3 which a sample 1 has transmitted and a reference microwave 5 which differs in frequency from the microwave 3. The composition microwave is received by microwave receiver 7. The receiver 7 has a detection detecting microwaves distributed on a microwave receiving surface and detects a beat component of the measured composite wave and then, detects a rectilinear propagation component of the microwave 3, which the sample 1 has transmitted.



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